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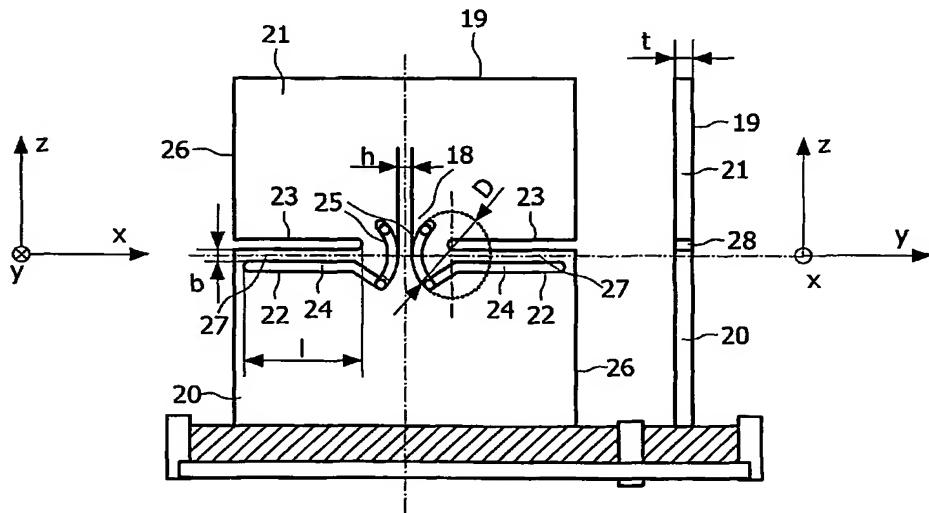
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(54) Title: MONOLITHIC STRUCTURE WITH AT LEAST ONE ELASTIC HINGE



(57) Abstract: Elastic hinges known from prior art separate the monolithic structure (18) in a rotating structural part (21) and a fixed structural part (20), in which the elastic hinge allows rotation of said rotating structural part relative to said fixed structural part. The elastic hinge is formed by forming at least one first slot-like element into said monolithic structure, in which the or each first slot-like element (22) defines the elastic hinge and thereby at least one rotation axis of the elastic hinge. The main drawback of such elastic hinges known from the prior art is the low transversal stiffness compared to the axial stiffness, especially for low tilting stiffness about the rotation axis. In order to provide an elastic hinge with increased transversal stiffness at least one rod-like or plate-like element (27) is formed into said monolithic structure (18) by forming at least one second slot-like element (23) into said monolithic structure (18).

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